BioLAB

PRODUCT CATALOG

BASIC WATER PURIFICATION SYSTEM

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BASIC WATER PURIFICATION SYSTEM BEU1E1 BEU1E2

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.

Basic Water Purification System BEU1E1
Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.

SPECIFICATIONS

Model	BEU1E1	BEU1E2
Old Model	BBPS-301	BBPS-302
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Temperature	5-45°C	
Pressure	1.0-4.0 Kgf/cm²	
Flow Procedure	PF+AC+RO+AC	
Ion rejection rate	96%-99% (New RO membrane)	
Organic rejection rate	>99% (when MW>200 Dalton)	
Particles and bacteria rejection rate	>99%	
Bacteria	<0.1 cfu/ml (with optional 0.45+0.1μm PES terminal filter)	
Particles(>0.2μm)	<1/ml (with optional 0.45+0.1μm PES terminal filter)	
Output (25°C)	15 L/hrs	30 L/hrs
Pure water outlet	RO water	
Water Quality Monitor	Portable TDS/conductivity test pen	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges) + 15 liters tank + TDS pen + accessory bag	
Power Consumption (W)	48 W	72 W
Power Supply	AC110-220 V, 50/60 Hz	
Note	*The feed water quality will influence the pure water's quality and cartridges life-span. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis. All specifications are tested under feed water TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.	
Ultrapure Water Quality		
Flow rate	2.0 L/min (with pressure tank)	
Alt Name	Basic Water Purification System	

FEATURES BEU1E1

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
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With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularize independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

FEATURES BEU1E2

Built-in 20 liters airtight plastic pressure water tank
Built-in 13 liters high-capacity polishing resin cartridge
Unique design and easy-to-replace cartridges pack unit.
Data storage and RS 232/USB communication port.
3 way on-line water quality sensor,multiple alarm.
Life-span of cartridges' display and alarm.
System circulation function,system sterilization procedure.
Molding process,high-strength, streamline plastic shell.
The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack,you'll see at a glance what is need.
For ease-of-use,the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.
The system requires no special installation,connect the system to your tap water supply it's ready to use.

APPLICATIONS

Food Industry, Beverage Industry, Agriculture, Boiler Feed, Disaster Relief Environmental, Hospital, Hotel, Marine, Military, Mining, Pharmaceutical, Power

BASIC WATER PURIFICATION SYSTEM BEU1F1 TO BEU1F4

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for a wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.

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All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.

SPECIFICATIONS

Model	BEU1F1	BEU1F2	BEU1F3	BEU1F4
Old Model	BBPS-401	BBPS-402	BBPS-403	BBPS-404
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)			
Temperature	5-45°C			
Pressure	1.0-4.0 Kgf/cm²			
Flow Procedure	PF+AC+RO+DI	PF+AC+RO+DI+UV+TF	PF+AC+RO+DI	PF+AC+RO+DI+UV+TF
Ion rejection rate	96%-99% (New RO membrane)			
Organic rejection rate	>99% (when MW>200 Dalton)			
Particles and bacteria rejection rate	>99%			
Bacteria	-	<0.1 cfu/ml	-	<0.1 cfu/ml
Output (25°C)	15 L/hrs		30 L/hrs	
Pure water outlet	RO and deionized water			
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor			
Dimension LxWxH	410x220x420 mm			
Weight	20 kg			
Standard configuration	Main body (Including 1 set of cartridges) + 15 liters tank + TDS pen + accessory bag		Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	48 W		72 W	
Power Supply	AC110-220 V, 50/60 Hz			

Note	*The feed water quality will influence the pure water's quality and cartridges life-span. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange, UV: ultraviolet, TF: terminal microfiltration. All specifications are tested under feed water TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.		*The feed water quality will influence the pure water's quality and cartridges life-span. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange, UV: ultraviolet, TF: terminal microfiltration. All specifications tested under feed water TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.	*The feed water quality will influence the pure water's quality and cartridges life-span. PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange, UV: ultraviolet, TF: terminal microfiltration. All specifications are tested under feed water's TDS=200 ppm, 25°C, 50 psi and 15% recovery rate.
Deionized water quality				
Resistivity	>15-18.2 MΩ·cm			
Conductivity	0.055-0.067 μS/cm			
Particle(>0.2μm)	<1/ml	-	<1/ml	-
Ultrapure Water Quality				
Flow rate	2.0 L/min (with pressure tank)			
Alt Name	Basic Water Purification System			

FEATURES

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality is absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium

BASIC WATER PURIFICATION SYSTEM BEU1D1 TO BEU1D4

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for a wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.

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With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.

SPECIFICATIONS

Model	BEU1D1	BEU1D2
Water Inlet	RO water, Distilled water, Deionized water	
Temperature	5-45°C	
Pressure	1 atm*	
Flow Procedure	AC+DI+TF	AC+DI+UF+TF
Bacteria	<0.1 cfu/ml	
Output (25°C)	Utmost up to 2.0 L/min (less output with UF cartridge)	
Pure water outlet	Deionized water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges) + accessory bag	
Power Consumption (W)	72 W	
Power Supply	AC110-220 V, 50/60 Hz	
Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **AC: active carbon, DI: ion exchange, UV: ultraviolet, UF: ultrafiltration, TF: terminal microfiltration. ***Value of number will be influenced by feed water quality. ****The output will decrease with terminal filter or UF cartridge.	
Deionized water quality		
Resistivity	>5 MΩ·cm	
Particle (>0.2μm)	<1/ml	
Ultrapure Water Quality		
TOC	<10 ppb	
Heavy metal ion	<0.1 ppb	
Endotoxin	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml
Dnases	-	<4pg/μl
Alt Name	Basic Water Purification System	

Model	BEU1D3	BEU1D4
Water Inlet	RO water, Distilled water, Deionized water	
Temperature	5-45°C	
Pressure	1 atm*	
Flow Procedure	UV+AC+DI+TF	UV+AC+DI+UF+TF
Bacteria	<0.1 cfu/ml	
Output (25°C)	Utmost up to 2.0 L/min (less output with UF cartridge)	
Pure water outlet	Deionized water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges) + accessory bag	
Power Consumption (W)	72 W	
Power Supply	AC110-220 V, 50/60 Hz	
Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **AC:active carbon, DI:ion exchange, UV:ultraviolet, UF:ultrafiltration, TF:terminal microfiltration. ***Value of number will be influenced by feed water quality. ****The output will decrease with terminal filter or UF cartridge.	
Deionized water quality		
Resistivity	>5 MΩ·cm	
Particle(>0.2μm)	<1/ml	
Ultrapure Water Quality		
TOC	<3 ppb	
Heavy metal ion	<0.1 ppb	
Endotoxin	-	<0.001 EU/ml
Rnases	-	<0.01 ng/ml
Dnases	-	<4 pg/μl
Alt Name	Basic Water Purification System	

FEATURES

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
The top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With an electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality is absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

BASIC WATER PURIFICATION SYSTEM BEU1G1 BEU1G2

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SPECIFICATIONS

Model	BEU1G1	BEU1G2
Old Model	BBPS-501	BBPS-505
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Temperature	5-45°C	
Pressure	1.0-4.0 Kgf/cm²	
Flow Procedure	PF+AC+RO+DI+TF	
Ion rejection rate	96%-99% (New RO membrane)	
Organic rejection rate	>99%, when MW>200 Dalton	
Particles and bacteria rejection rate	>99%	
Bacteria	<0.1 cfu/ml	
Output(25°C)	15 L/hrs	30 L/hrs
Pure water outlet	RO water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	48 W	72 W
Power Supply	AC110-220 V, 50/60 Hz	

Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange, UV: ultraviolet, UF: ultrafiltration, TF: terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation: feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	*The feed water quality will influence the pure water's quality and cartridges life-span. **PF:polypropylene spun fiber, AC:active carbon, RO:reverse osmosis, DI:ion exchange, UV:ultraviolet, UF:ultrafiltration, TF:terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Deionized water quality		
Particle(>0.2μm)	<1/ml	
Ultrapure Water Quality		
Resistivity(25°C)	18.2 MΩ.cm	
Heavy Metal Ion	-	
TOC***	<10 ppb	
Heavy metal ion	<0.1 ppb	
Flow rate	2.0 L/min (with pressure tank)	
Alt Name	Basic Water Purification System	

FEATURES BEU1G1

Human engineering design, high-strength, streamline plastic shell.
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Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

FEATURES BEU1G2

With tap water inlet, to produce RO water and ultrapure water,quality can reach to above10MΩ.cm.
Built-in 20 liters airtight plastic pressure water tank
Built-in 13 liters high-capacity polishing resin cartridge
Unique design and easy-to-replace cartridges pack unit.
Data storage and RS 232/USB communication port.
3 way on-line water quality sensor,multiple alarm.
Life-span of cartridges' display and alarm.
System circulation function,system sterilization procedure.(optional)
Molding process,high-strength, streamline plastic shell.

The graphic display clearly indicates all system,s parameters. From water quality to knowing when it is time to change the purification pack,you,ll see at a glance what is need
For ease-of-use,the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.
The system requires no special installation,connect the system to your tap water supply it,s ready to use.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

BASIC WATER PURIFICATION SYSTEM BEU1I1 BEU1I2

BASIC WATER PURIFICATION SYSTEM

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Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.

SPECIFICATIONS

Model	BEU1I1	BEU1I2
Old Model	BBPS-503	BBPS-507
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Temperature	5-45°C	
Pressure	1.0-4.0 Kgf/cm²	
Flow Procedure	PF+AC+RO+UV+DI+TF	
Ion rejection rate	96%-99% (New RO membrane)	
Organic rejection rate	>99%, when MW>200 Dalton	
Particles and bacteria rejection rate	>99%	
Bacteria	<0.1 cfu/ml	
Output(25°C)	15 L/hrs	30 L/hrs
Pure water outlet	RO water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	48 W	72 W
Power Supply	AC110-220 V, 50/60 Hz	

Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **PF:polypropylene spun fiber, AC:active carbon, RO:reverse osmosis, DI:ion exchange, UV:ultraviolet, UF:ultrafiltration, TF:terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	
Deionized water quality		
Particle(>0.2μm)	<1/ml	-
Ultrapure Water Quality		
Resistivity(25°C)	18.2 MΩ.cm	
TOC***	<3 ppb	
Heavy metal ion	<0.1 ppb	
Flow rate	2.0 L/min (with pressure tank)	
Alt Name	Basic Water Purification System	

FEATURES BEU1I1

Human engineering design, high-strength, streamline plastic shell.
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Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

FEATURES BEU1I2

Automatic microcomputer controlling system, multi-menu operating, real-time animation mode display.
Super-large LCD (Resolution:240x128, dimension:106x57mm) display, display the system running state and various parameters intuitively.
3 way on-line sensor, detect the quality of feed water, RO water, or ultrapure water respectively.
System sterilization procedure, achieve the disinfection of ultrapure water's pipeline.
System circulation function, circulate water when the system stops working, to keep water quality.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
Multiple alarm functions: such as no water, full water, disqualification of feed water, RO water, deionized water or ultrapure water, cartridges' life-span ends.
The cartridge's life-span can be set, the time used and left can be displayed, replacing auto-reminding, avoiding the decline of water quality.
Level II password, protect all the parameters setting, and prohibit any unauthorized settings change.
Water dispensing function-timing and quality (Time range:1-99min, water quality range:0.1-18.2MΩ.cm).
RS 232/USB communication port(optional), at least store 1 years' water quality data.
Different external tanks (optional) to meet every need and assure ample water-supply.
Human engineering design, molding process, high-strength, streamline plastic shell.

Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
KDF pretreating cartridge, replace the ordinary active carbon, prolong the life-span to 12 months, reduce the running cost.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 in 1 ultrapure cartridges (also can be divided to 4 independent cartridge), with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
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APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

BASIC WATER PURIFICATION SYSTEM BEU1H1 BEU1H2

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With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.

SPECIFICATIONS

Model	BEU1H1	BEU1H2
Old Model	BBPS-502	BBPS-506
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Temperature	5-45°C	
Pressure	1.0-4.0 Kgf/cm²	
Flow Procedure	PF+AC+RO+DI+UF+TF	
Ion rejection rate	96%-99% (New RO membrane)	
Organic rejection rate	>99%, when MW>200 Dalton	>99%,when MW>200 Dalton
Particles and bacteria rejection rate	>99%	
Bacteria	<0.1 cfu/ml	
Output(25°C)	15 L/hrs	30 L/hrs
Pure water outlet	RO water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
Dimension LxWxH	410x220x420 mm	
Weight	20 kg	

Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	48 W	72 W
Power Supply	AC110-220 V, 50/60 Hz	
Note	*The feed water quality will influence the pure water's quality and cartridges life-span. **PF:polypropylene spun fiber, AC:active carbon, RO:reverse osmosis, DI:ion exchange, UV:ultraviolet, UF:ultrafiltration, TF:terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.	
Deionized water quality		
Particle(>0.2μm)	<1/ml	-
Ultrapure Water Quality		
Resistivity(25°C)	18.2 MΩ.cm	
TOC***	<10 ppb	
Endotoxin	<0.001 EU/ml	
Rnases	<0.01 ng/ml	
Dnases	<4 pg/μl	<4pg/μl
Heavy metal ion	<0.1 ppb	
Flow rate	2.0 L/min (with pressure tank)	
Alt Name	Basic Water Purification System	

FEATURES BEU1H1

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

FEATURES BEU1H2

With tap water inlet, to produce RO water and ultrapure water,quality can reach to18.2 MΩ.cm.
Built-in 20 liters airtight plastic pressure water tank
Built-in 13 liters high-capacity polishing resin cartridge
Unique design and easy-to-replace cartridges pack unit.
Data storage and RS 232/USB communication port.
3 way on-line water quality sensor,multiple alarm.
Life-span of cartridges' display and alarm.
System circulation function,system sterilization procedure.
Molding process,high-strength, streamline plastic shell.

The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack,you'll see at a glance what is need
For ease-of-use,the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.
The system requires no special installation,connect the system to your tap water supply it's ready to use.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

BASIC WATER PURIFICATION SYSTEM BEU1J1 BEU1J2

BASIC WATER PURIFICATION SYSTEM

This basic series is ideal for wide range of applications. It produces RO, Deionized water and Ultrapure water. The organic rejection rate is greater than 99% using reverse osmosis. The resistivity reaches up to 18.2M?.cm which completely meets the highest grade I standard.

Basic Water Purification System BEU1J1
Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.

SPECIFICATIONS

Model	BEU1J1	BEU1J2
Old Model	BBPS-504	BBPS-508
Water Inlet	Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm)	
Temperature	5-45°C	
Pressure	1.0-4.0 Kgf/cm²	
Flow Procedure**	PF+AC+RO+UV+DI+UF+TF	
Ion rejection rate	96%-99% (New RO membrane)	
Organic rejection rate	>99%,when MW>200 Dalton	>99%, when MW>200 Dalton
Particles and bacteria rejection rate	>99%	
Bacteria	<0.1 cfu/ml	
Output(25°C)****	15 L/hrs	30 L/hrs
Pure water outlet	RO water and Ultrapure water	
Water Quality Monitor	Portable TDS/conductivity test pen + on-line resistivity monitor	
DimensionLxWxH	410x220x420 mm	
Weight	20 kg	
Standard configuration	Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag	
Power Consumption (W)	48 W	72 W
Power Supply	AC110-220 V, 50/60 Hz	

Note	*The feed water quality ... 15% recovery rate.	*The feed water quality will influence the pure water's quality and cartridges life-span. **PF: polypropylene spun fiber, AC: active carbon, RO: reverse osmosis, DI: ion exchange, UV: ultraviolet, UF: ultrafiltration, TF: terminal microfiltration. ***Value of number will be influenced by temperature and feed water quality. ****All the specifications are tested under the situation: feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.
Deionized water quality:		
Particle(>0.2μm)	<1/ml	-
Ultrapure Water Quality:		
Resistivity(25°C)	18.2 MΩ.cm	
TOC***	<3 ppb	
Endotoxin	<0.001 EU/ml	
Rnases	<0.01 ng/ml	
Dnases	<4pg/μl	<4 pg/μl
Heavy metal ion	<0.1 ppb	
Flow rate	2.0 L/min (with pressure tank)	
Alt Name	Basic Water Purification System	

FEATURES BEU1J1

Human engineering design, high-strength, streamline plastic shell.
One time injection molding process case, material: Polypropylene PP.
Elegant and compact case, integrating pre-filter, RO, DI, UV, UF and terminal filter into one.
All filters are built-in, for the smallest outside space.
Top cap of pre-filters in the case can be rapidly opened to replace the pre-filters without opening the case.
With electronic pressure sensor and microcomputer controlling, the system automatically produces pure water.
Automatic stop without water, automatic stop when water tank full, automatically cutting off water when pump stopping, guaranteeing 24 hours' work.
Self-flushing of the reverse osmosis membrane, extend the life of RO membrane.
On-line resistivity monitor, with apheliotropic LCD display, to detect the quality of deionized or ultrapure water.
Attached portable TDS (total dissolved solid)/conductivity test pen, with dry cell design, to detect the quality of tap water and RO water.
Different external tanks (optional) to meet every need and assure ample water-supply.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 ultrapure cartridges, with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

FEATURES BEU1J2

Automatic microcomputer controlling system, multi-menu operating, real-time animation mode display.
Super-large LCD (Resolution:240x128, dimension:106x57mm) display, display the system running state and various parameters intuitively.
3 way on-line sensor, detect the quality of feed water, RO water, or ultrapure water respectively.
System sterilization procedure, achieve the disinfection of ultrapure water's pipeline.
System circulation function, circulate water when the system stops working, to keep water quality.
Self-flushing of the reverse osmosis membrane, extends the life of RO membrane.
Multiple alarm functions: such as no water, full water, disqualification of feed water, RO water, deionized water or ultrapure water, cartridges' life-span ends.

The cartridge's life-span can be set, the time used and left can be displayed, replacing auto-reminding, avoiding the decline of water quality.
Level II password, protect all the parameters setting, and prohibit any unauthorized settings change.
Water dispensing function-timing and quality (Time range:1-99min, water quality range:0.1-18.2MΩ.cm).
RS 232/USB communication port(optional), at least store 1 years' water quality data.
Different external tanks (optional) to meet every need and assure ample water-supply.
Human engineering design, molding process, high-strength, streamline plastic shell.
Pretreatment cartridges, RO module, ultrapure cartridges, all designed to modularization independently. Easy to maintenance and replacement.
Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.
KDF pretreating cartridge, replace the ordinary active carbon, prolong the life-span to 12 months, reduce the running cost.
DOW's RO membrane, ensure stable operation and high desalinization rate.
4 in 1 ultrapure cartridges (also can be divided to 4 independent cartridge), with DOW's nuclear-grade polishing resin, ensure ultrapure water's quality up to 18.2 MΩ.cm, with the lowest TOC dissolution.
Double wavelength (185&254nm) ultraviolet lamp module, restrain bacteria's increase and reduce TOC.
MWCO 5000D ultrafiltration module, effectively eliminate endotoxin precise cell cultivating and IVF.
(0.45+0.1)μm double layer PES terminal disinfection filter, assure the quality absolutely axenic.

APPLICATIONS

Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research

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